

- Precision broadcast stable gimbal
- Designed for Long Range broadcast applications
- High resolution, Broadcast-Quality imaging
- Available in 2 configurations, 16SS725 (33x) or 16SS750 (36x)
- Switchable 16:9 or 4:3 formats
- Digital video outputs
- Digital hand controller or console
- Plug and Play Smartlink interface



The WESCAM™ 16SS725/750 gyro-stabilized Single Sensor daylight broadcast TV system, complete with a digital 3CCD color video camera and a 33x/36x lens, delivers high resolution, broadcast quality television images for Electronic News Gathering (ENG) and sporting events. Actively gyro-stabilized in five (5) axes and vibration isolated in six (6) axes, the camera produces images that are crystal clear and jitter-free. A motorized extender provides 2x the range performance up to 72x.

The WESCAM™ 16SS725/750 series system is fully certified and designed to meet environmental conditions and test procedures for airborne equipment and is manufactured to a qualified system of ISO 9001 standards. Wescam's Broadcast TV Systems are user-friendly, and easily installed/ removed from the nose of the helicopter. With high reliability and low maintenance requirements, the WESCAM™ 16SS725/750 series of ENG system continues the tradition established by Wescam, for "Rock Solid", crystal clear images.

With deployment of the 16SS725/750, Wescam continues the tradition of delivering advanced imaging technology and full turn-key system solutions to effectively. . . ***"change the way you see the world"***.

***ROCK SOLID & WORLDWIDE***

## PAYLOAD SPECIFICATIONS

Sensor - Color Daylight CCD Camera

TV Camera

Type:	3CCD: Sony BVP-570
Format:	2/3"; NTSC or PAL
Gain (dB):	+3dB to -30dB
Horizontal Resolution:	700 TV lines
Sensitivity:	2000 lux @ f8
Minimum Illumination:	1 lux @ f1.4
Video Output (Digital):	16:9 or 4:3 format

Zoom Lens for 16SS725

Type:	Canon 33 x 11
Focal Lengths (with 2x):	11mm to 726mm
Field-of-view:	
Wide	43.6° (H) x 33.4° (V) @ 11mm
Narrow	0.69° (H) x 0.52° (V) @ 726mm

Zoom Lens for 16SS750

Type:	Fujinon 36 x 10.5
Focal Lengths (with 2x):	10.5mm to 756mm
Field-of-view:	
Wide	45.5° (H) x 34.9° (V) @ 10.5mm
Narrow	0.67° (H) x 0.50° (V) @ 756mm

Remote Control:

Zoom, Focus, Filter, Iris, 2x Extender (external camera control via the RMP-9 remote control)

## GIMBAL SPECIFICATIONS

Active Gyro-Stabilization

Three (3) Axes Inner (pitch/roll/yaw), maintained through lookdown; Two (2) Axes Outer (azimuth/elevation)

Vibration Isolation

Six (6) Axes passive isolation (x/y/z/pitch/roll/yaw); plus additional vibration isolator.

Line of Sight Jitter

&lt;10 microradians rms

Roll Range:

&gt;70° (+35° to -35°)

Slew Rate/Acceleration:

60°/sec., 143°/sec.

LOS Pan Range:

Continuous 360°

LOS Tilt Range:

+15° to -120°

## SYSTEM SPECIFICATIONS

Physical Dimensions

Gimbal

39.5 kg (87 lbs.)

40 cm (16") dia. x 51 cm (20") ht. [look down 77 cm (30.4") ht.]

System Interface Unit or SmartLink Interface Unit

4.5 kg (10 lbs.)

4.1 kg (9 lbs.)

13" D x 10.5" W x 3.75" H

13" D x 10" W x 4" H

Camera Body

3.0 kg (6.6 lbs.)

Sony T570 28.4 cm (11.25") x 29 cm (11.5") x 115 cm (4.5")

Hand Controller

0.7 kg (1.6 lbs.) / 20 cm (8") x 10 cm (4") x 8 cm (3")

Camera Controller

8.6 cm (3.5") x 17.9 cm (7") x 6.5 cm (2")

Cables

Standard cable kit: Control cable 6m (19.7ft), Hand controller ext.

7.6m (25ft) and Power cable 4.6m (15ft).

Power (nominal)

28 Vdc, 10 amps (with no ancillary equipment operating)

Environmental

Designed to meet environmental conditions and test procedures for airborne equipment of RTCA/DO-160C.

## OPTIONS AVAILABLE

Camera: (alternates to Sony BVP-570)

Ikegami HL55NA, HL55NAS, Sony BVP-550, NEC

Controller:

Control Console, in lieu of standard hand controller

Upgrades:

Autotracker; RS232/422; ARINC 429; GPS; Microwave TX; MIL 1553; Moving Map; Radar Slave and more.

Video Equipment:

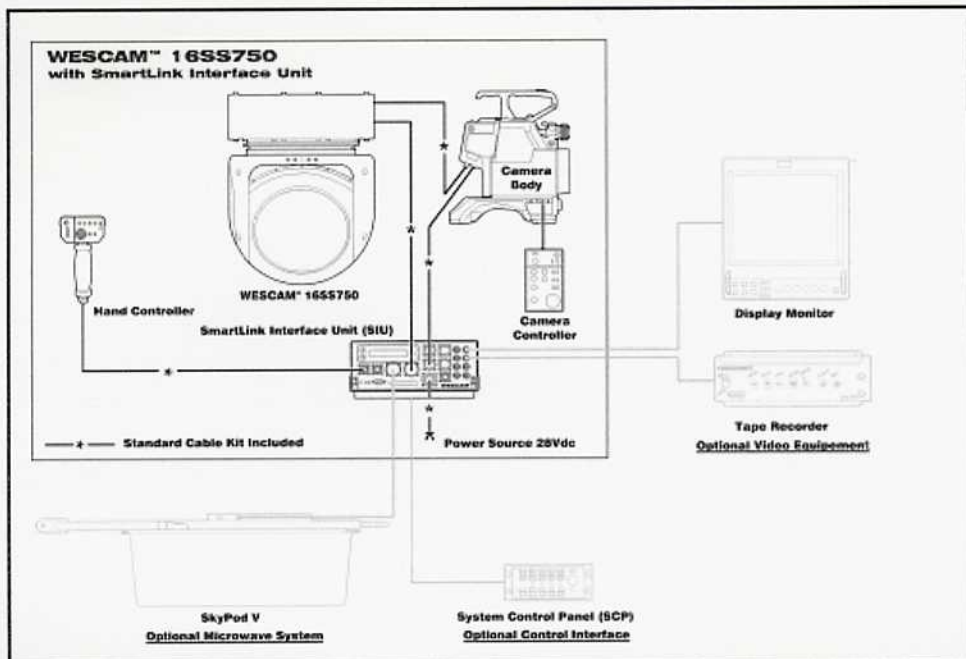
CRT or LCD monitors; 8mm/VHS/SVHS/Betacam Video Recorders

Microwave Equipment:

OMN-ADU, SkyPod V, SkyPod LC air-to-ground Microwave Systems, Troll RCS air-to-ground remote control system.

Installation:

FAA certified installation brackets

16SS725 on a AS355  
with a SkyPod III16SS750 on a MD600  
with a SkyPod VLong Range 36x  
Continuous Zoom  
(actual video still image)Smartlink Interface Unit (SIU)  
and Hand Controller
**WESCAM**  
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 WESCAM has a policy of continuous product improvement.  
 Specifications are, therefore, subject to change without notice.

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 product and corporate  
 information session. See video  
 imagery from this system.

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